



M650 M640 M630 Enterprise Series Antenna
 Enterprise Grade Mobile Connectivity
 Multi-MIMO / Multi-Carrier 4G 5G CBRS LTE Compliant
 Built-In Ground Plane / Bolt Mount
 Optional: [Rugged M-Lander Adjustable Magnetic Mount Adapter](#)

M650 M640 M630 Enterprise Series Mobility Antenna Specifications
 Multi-Carrier MIMO Cellular 4G 5G CBRS LTE / GPS GNSS / MIMO Dual Band WiFi 2.4 5GHz

Multi-MIMO Multi-Carrier / Multi-Technology 4G LTE CBRS 5G Compliant	Verizon 4G 5G (DSS) Bands: B2 B4 B5 B13 B46 B48 B66 T-Mobile 4G 5G Bands: B2 B4 B5 B12 B25 B26 B41 B66 B71 n25 n41 n66 n71 AT&T 4G 5G Bands: B2 B4 B5 B12 B14 B17 B29 B30 B66 n5 CBRS LTE Band: B48
4G 5G CBRS Frequency Range WiFi Frequency Range	617-960MHz / 1710-6000MHz 2.4-2.5GHz / 4.9-6GHz (Concurrent)
4G 5G CBRS Avg. Peak Gain: <i>Isotropic (dBi)</i> WiFi Avg. Peak Gain: <i>Isotropic (dBi)</i>	(4dBi) 617-960MHz / (8dBi) 1710-3800MHz / (9dBi) 4900-6000MHz / (6.5dBi) CBRS LTE 3.5GHz (9dBi) 2.4-2.5GHz / (9dBi) 4.9-6GHz
Typical Efficiency 4G 5G Elements	617-960MHz >65% 1710-3800MHz >75% 4900-6000MHz >85%
Typical Efficiency WiFi Elements	>70%
Isolation 4G 5G Elements Isolation WiFi Elements	>10dB >12dB
Correlation Co-efficient 4G 5G Elements Correlation Co-efficient WiFi Elements	<0.2 <0.1
Nominal Impedance	50Ω
GPS GNSS Specifications	GPS Glonass Galileo QZSS Compass <i>In-Band Frequency Interference Filter for LTE B13 B14</i>
Frequency Range	1562-1612MHz
LNA Gain	29dB ± 2dB
VSWR	<2.0:1
Out of Band Rejection	>45dB (@ > +/- 100MHz f)
Typical Noise Figure	<-2dB
Notch Filter Rejection @787MHz	24dB
Operating Voltage	3-5V DC
Typical Current	15mA
Antenna Housing	High Impact UV Stable ABS Polymer (Black or White) Housing Height: 114mm (4.5") / Base Diameter: 140mm (5.5")
Connector Types	All Standard RF Connectors Available
15ft Coax Cables (All Cables Full Length)	Cellular 4G 5G CFD200 Coax Cables / Dual Band WiFi CFD200 Coax Cables / GPS GNSS CFD100 Coax Cable <i>* Custom cable lengths & connector end options are available</i>
Mounting Bolt	AG60 M640 M630 Enterprise Series Stainless Steel Mounting Bolt: Length 20mm (0.8") / Diameter 22mm (0.9") w/Anti Rotation Perma Seal Baseplate Pad
Operating Temp	-40° / +80°C (-40° / +176°F)
Ingress Protection	IP69K

M650 M640 M630 Enterprise Series Antennas Include Built in Ground Plane / Full Length 15ft Coax Cables
 "Built To Spec" Options are Available. Contact us for details.





M650 M640 M630 Enterprise Series Antenna
 Enterprise Grade Mobile Connectivity
 Multi-MIMO / Multi-Carrier 4G 5G CBRS LTE Compliant
 Built-In Ground Plane / Bolt Mount
 Optional: [Rugged M-Lander Adjustable Magnetic Mount Adapter](#)

Antenna Configuration Options

M650 5-Element Configurations	<p>M650-BB-2CG2W: MIMO 2 x Cellular 3G 4G 5G CBRS / GPS GNSS / MIMO 2 x WiFi Dual Band – (Black) M650-BW-2CG2W: MIMO 2 x Cellular 3G 4G 5G CBRS / GPS GNSS / MIMO 2 x WiFi Dual Band – (White)</p> <p>M650-BB-2C3W: MIMO 2 x Cellular 3G 4G 5G CBRS / MIMO 3 x WiFi Dual Band – (Black) M650-BW-2C3W: MIMO 2 x Cellular 3G 4G 5G CBRS / MIMO 3 x WiFi Dual Band – (White)</p> <p>M650-BB-4CG: Multi-MIMO 4 x Cellular 3G 4G 5G CBRS / GPS GNSS – (Black) M650-BW-4CG: Multi-MIMO 4 x Cellular 3G 4G 5G CBRS / GPS GNSS – (White)</p> <p>M650-BB-4WG: Multi-MIMO 4 x WiFi Dual Band / GPS GNSS – (Black) M650-BW-4WG: Multi-MIMO 4 x WiFi Dual Band / GPS GNSS – (White)</p>
M640 4-Element Configurations	<p>M640-BB-2CGW: MIMO x 2 Cellular 3G 4G 5G CBRS / GPS GNSS / WiFi Dual Band – (Black) M640-BW-2CGW: MIMO x 2 Cellular 3G 4G 5G CBRS / GPS GNSS / WiFi Dual Band – (White)</p> <p>M640-BB-2C2W: MIMO x 2 Cellular 3G 4G 5G CBRS / MIMO 2 x WiFi Dual Band – (Black) M640-BW-2C2W: MIMO x 2 Cellular 3G 4G 5G CBRS / MIMO 2 x WiFi Dual Band – (White)</p> <p>M640-BB-4C: Multi-MIMO 4 x Cellular 3G 4G 5G CBRS – (Black) M640-BW-4C: Multi-MIMO 4 x Cellular 3G 4G 5G CBRS – (White)</p> <p>M640-BB-4W: Multi MIMO 4 x WiFi Dual Band – (Black) M640-BW-4W: Multi MIMO 4 x WiFi Dual Band – (White)</p>
M630 3-Element Configurations	<p>M630-BB-2CG: MIMO x 2 Cellular 3G 4G 5G CBRS / GPS GNSS – (Black) M630-BW-2CG: MIMO x 2 Cellular 3G 4G 5G CBRS / GPS GNSS – (White)</p> <p>M630-BB-2WG: MIMO x 2 WiFi Dual Band / GPS GNSS – (Black) M630-BW-2WG: MIMO x 2 WiFi Dual Band / GPS GNSS – (White)</p> <p>M630-BB-3W: MIMO 3 x WiFi Dual Band / GPS GNSS – (Black) M630-BW-3W: MIMO 3 x WiFi Dual Band / GPS GNSS – (White)</p>

M650 M640 M630 Enterprise Series



[Optional: Rugged M-Lander Adjustable Magnetic Mount Adapter](#)

M650 M640 M630 Enterprise Series Antennas Include Built in Ground Plane / Full Length 15ft Coax Cables
 "Built To Spec" Options are Available. Contact us for details.

